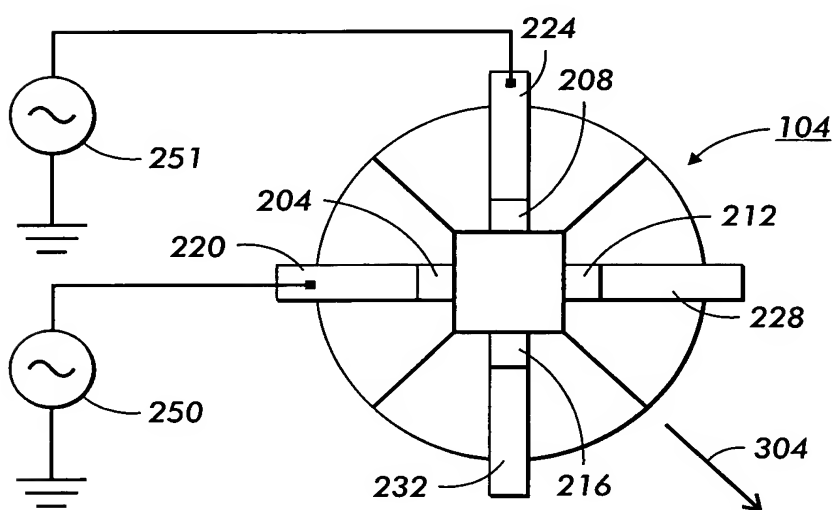


FIG. 1

A schematic diagram of a segmented antenna assembly. The assembly consists of a central vertical feed structure (224) surrounded by four trapezoidal segments (204, 212, 220, 228) that form a circular base. A curved, dome-like structure (104) is positioned above the segments, with a circular opening (208) at its center. A horizontal line (254) connects the left segment (204) to a ground symbol, indicating a ground plane.



**FIG. 3**

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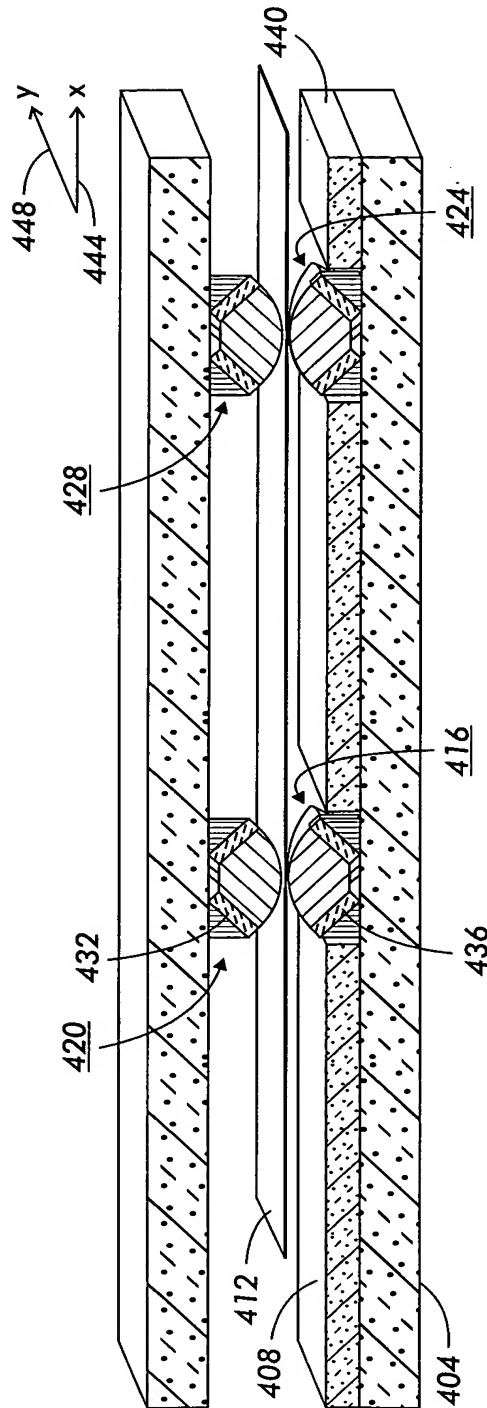
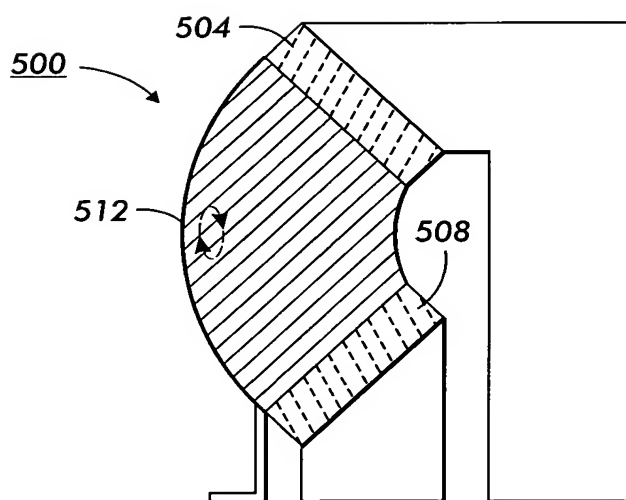


FIG. 4



**FIG. 5**

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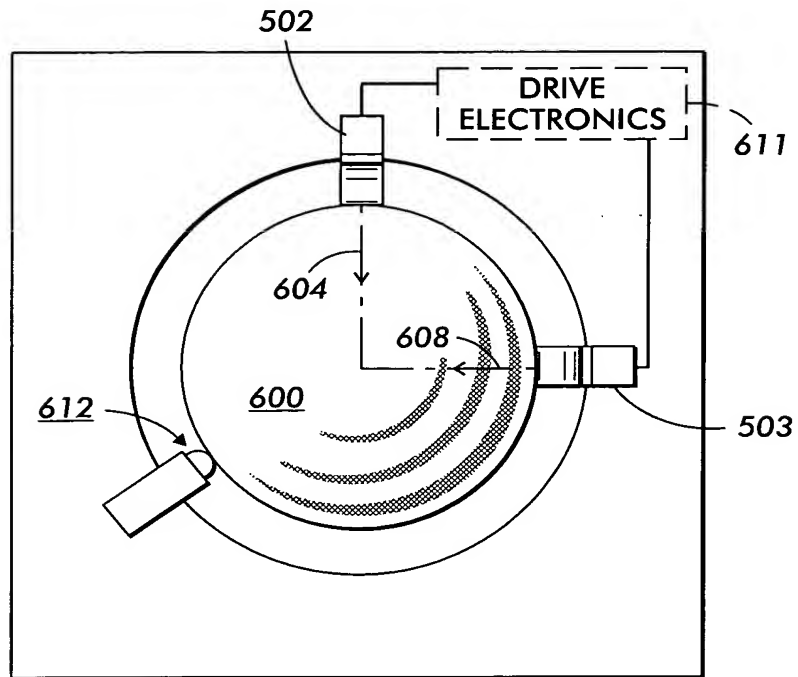


FIG. 6

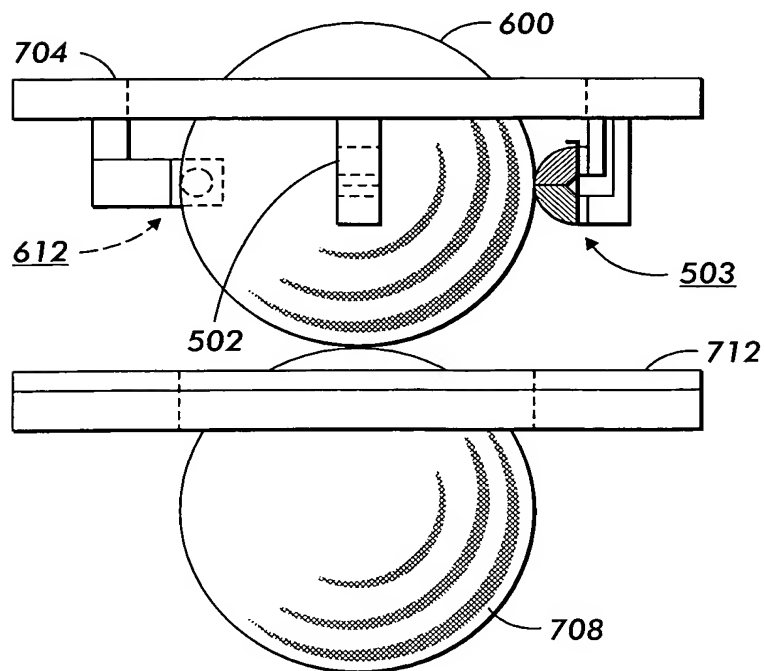


FIG. 7

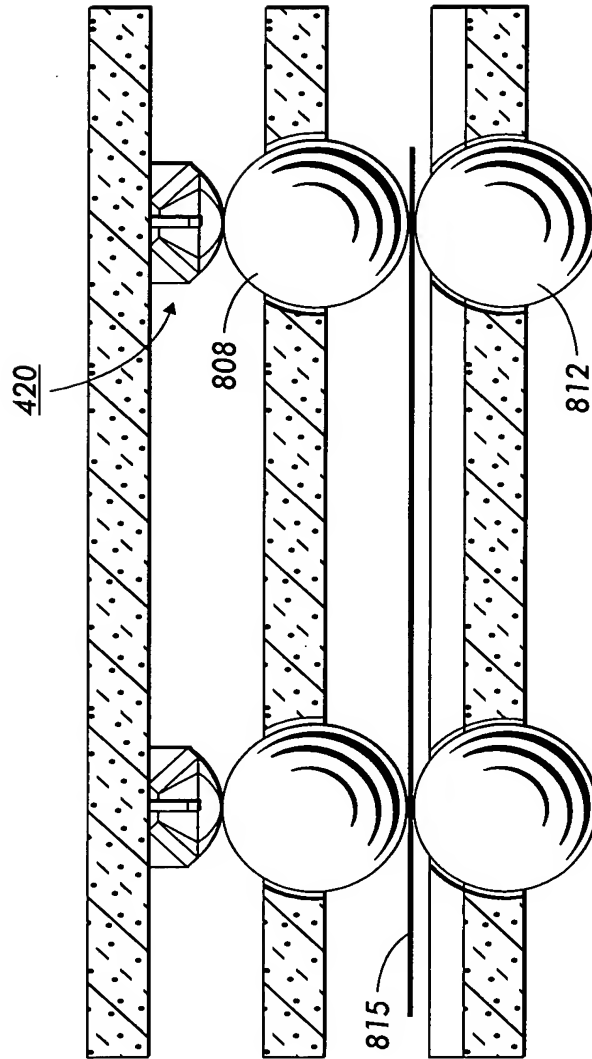


FIG. 8

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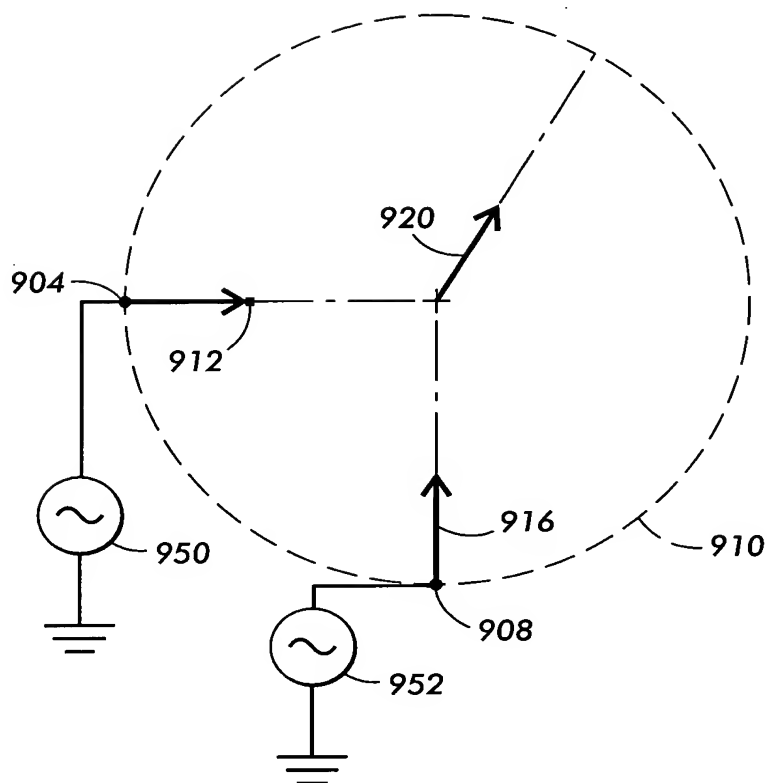


FIG. 9A

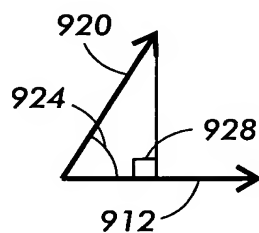


FIG. 9B

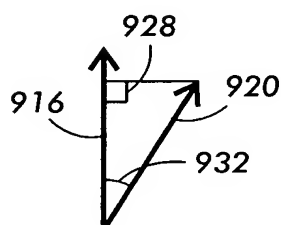
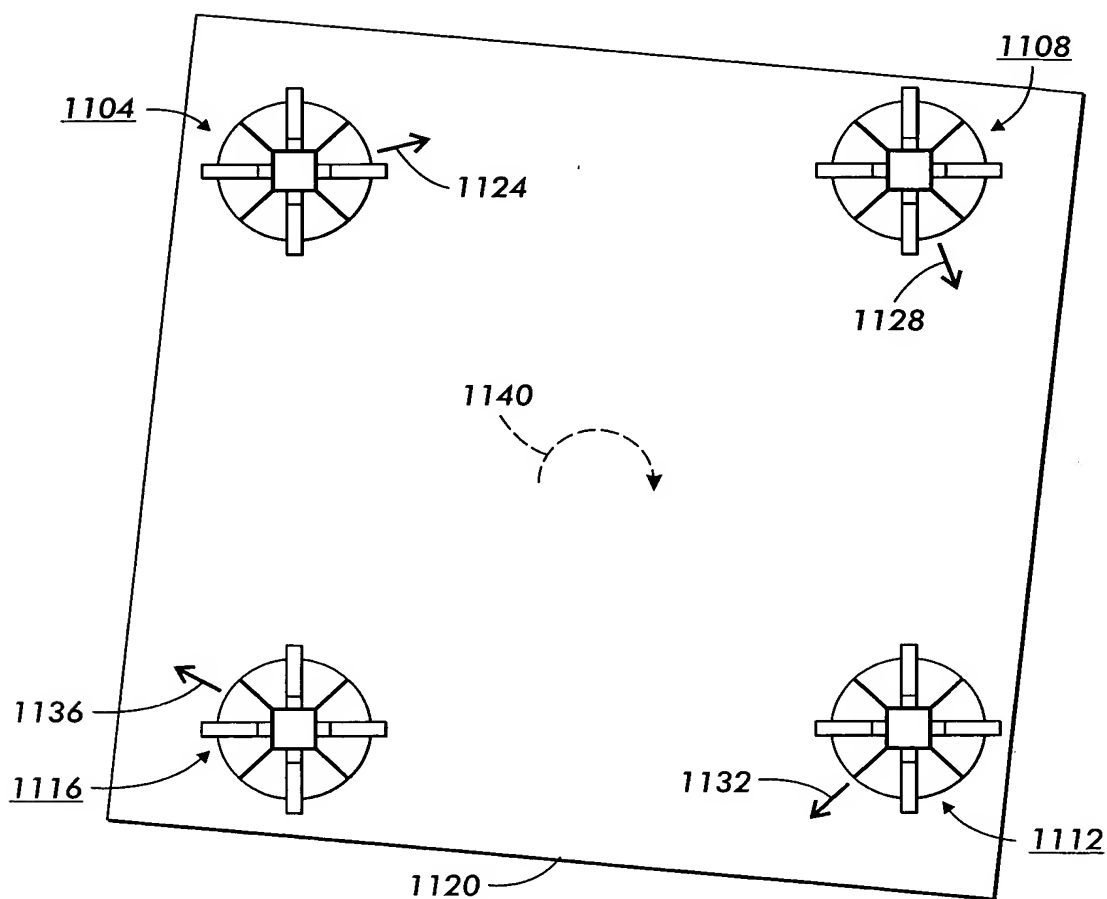
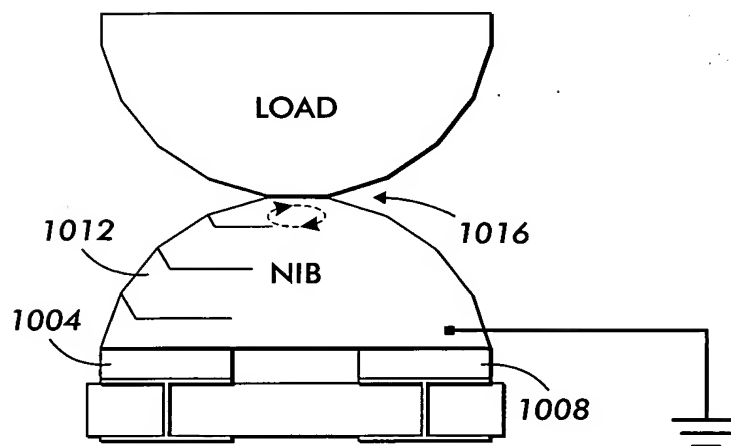


FIG. 9C

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**FIG. 10**



**FIG. 11**